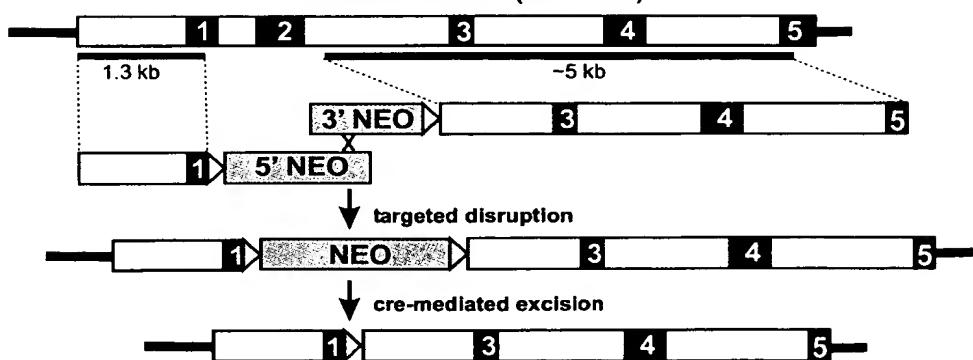
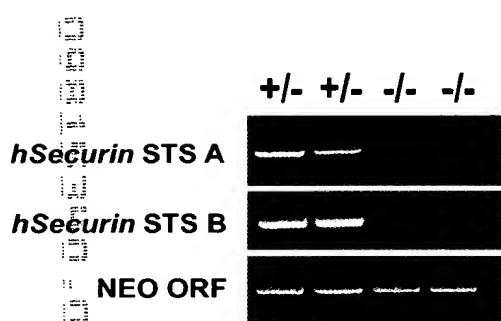
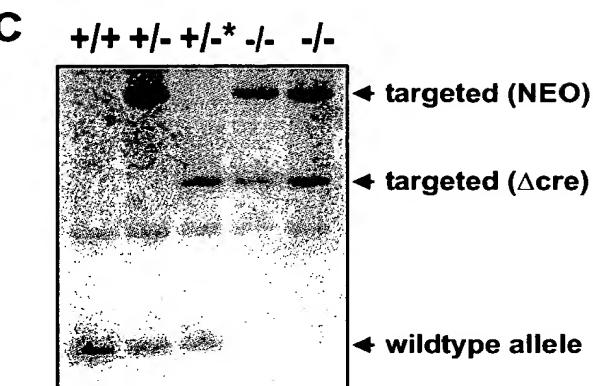
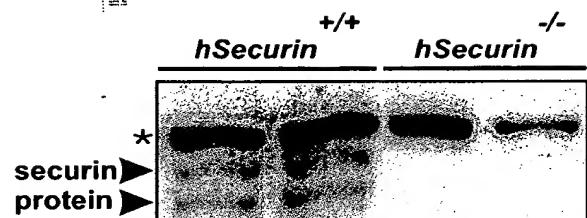
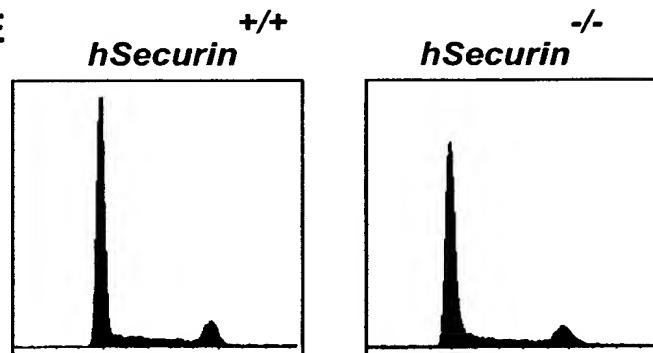


A***hSecurin* locus (*hPTTG1*)****B****C****D****E****FACS analysis (%)****cytology (%)**

<i>hSecurin</i>	G1	S	G2/M	apoptosis	mitosis	interphase
+/+	69	17	14	2	1	97
-/-	70	16	14	1.8	0.7	97.5

FIG. 1

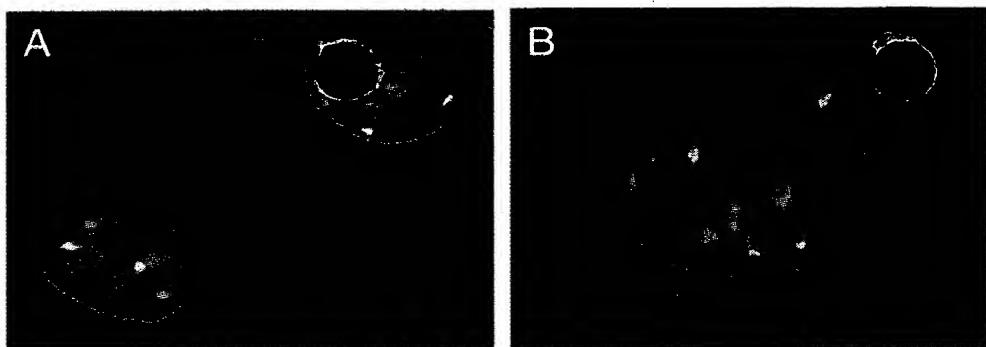
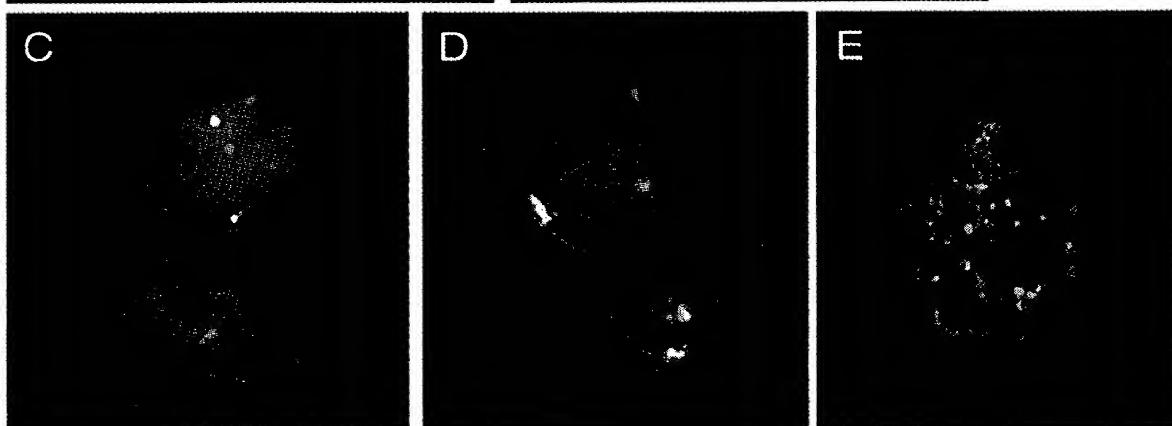
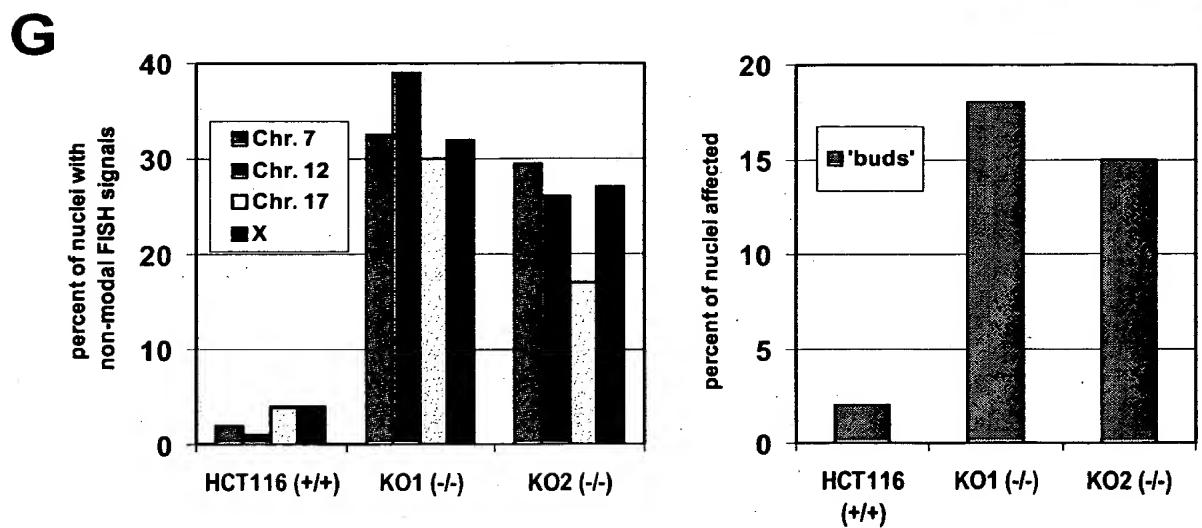


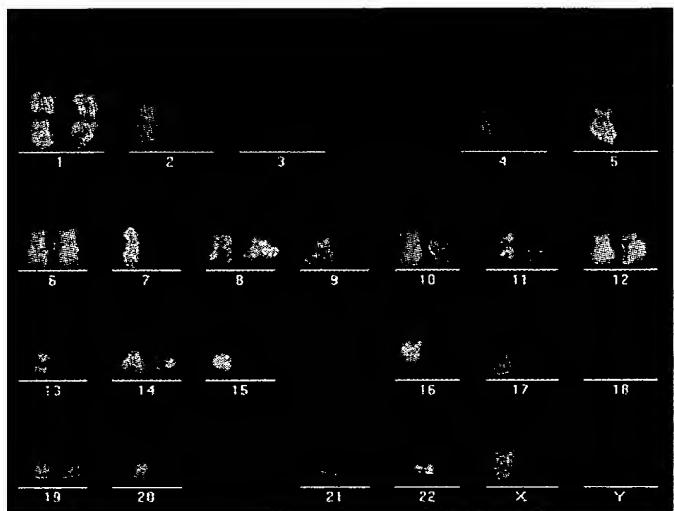
FIG. 2



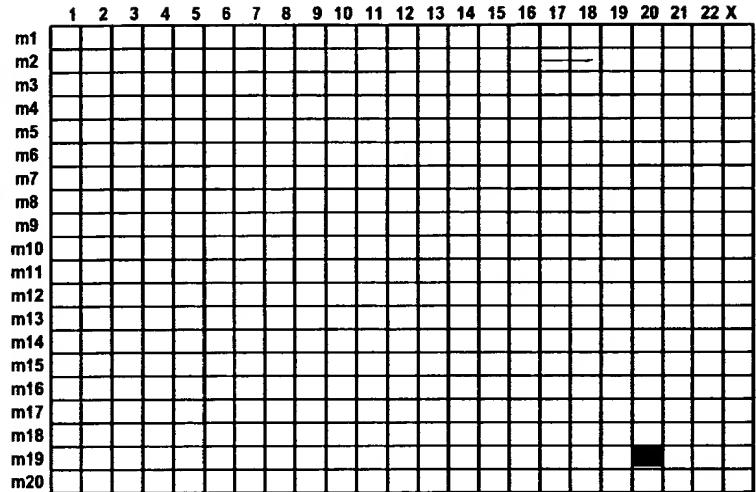
F

chromosome analyzed	number of FISH signals per cell						% of cells off the mode
	0	1	2	3	4	≥5	
HCT116 (+/+)	7	0	2	98	0	0	0
	12	0	0	99	1	0	0
	17	0	2	96	2	0	0
	X	0	96	4	0	0	0
KO1 (-/-)	7	0	3	76	8	3	0
	12	0	—	70	7	1	2
	17	2	—	74	13	0	0
	X	—	68	15	2	1	0
KO2 (-/-)	7	1	5	69	8	5	2
	12	2	—	80	3	3	1
	17	2	—	83	4	3	1
	X	—	73	10	1	0	0

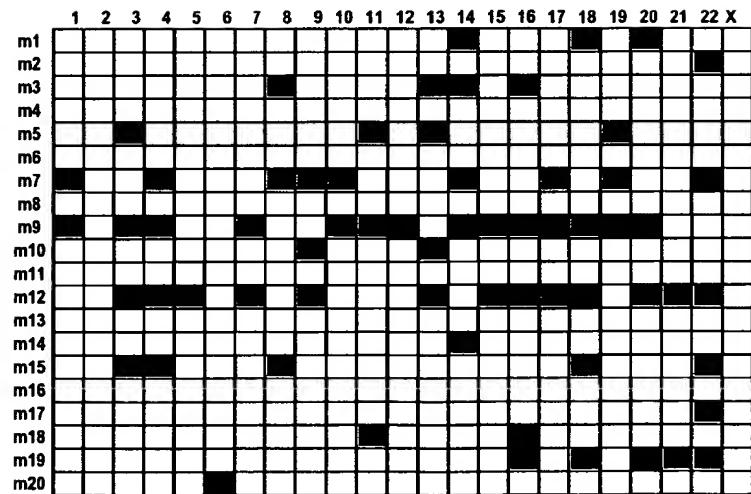


A**B**

hSecurin^{+/+} (parental)



hSecurin^{-/-} (KO1)

**D**

hSecurin^{-/-} (KO2)

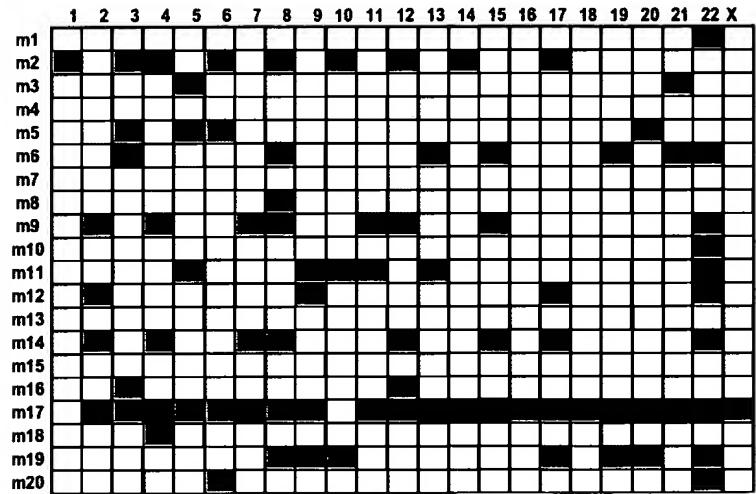
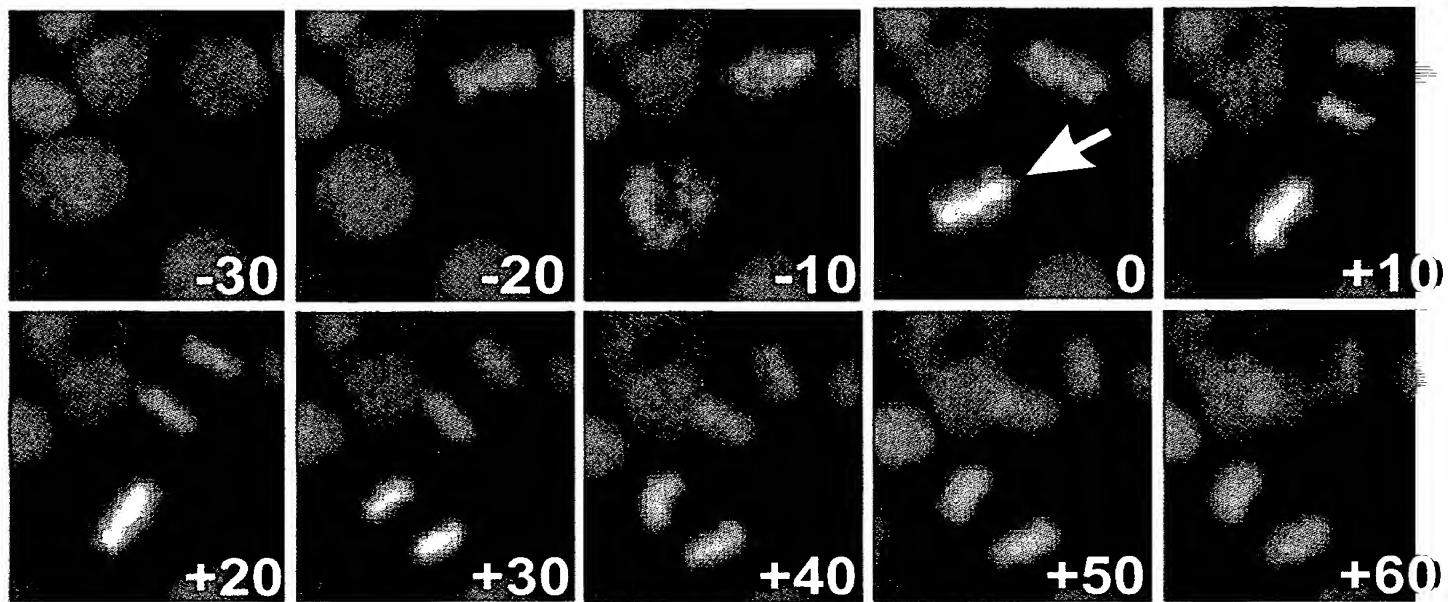
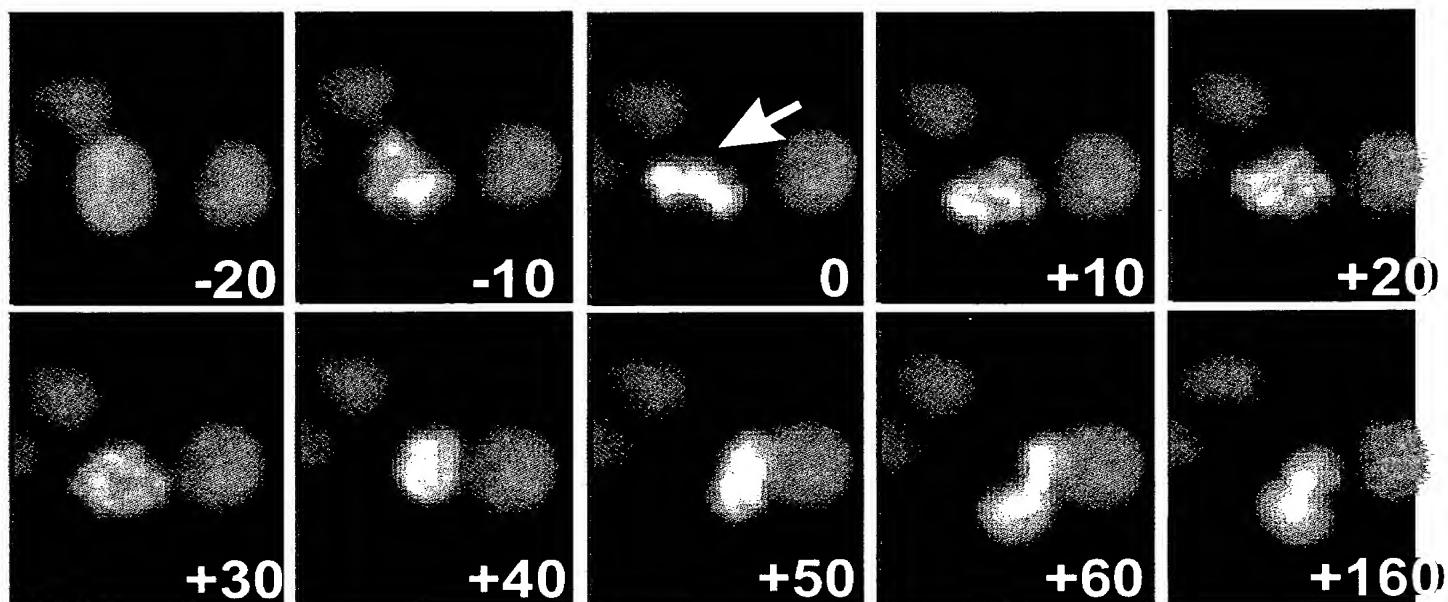


FIG. 3

A*hSecurin*
+/+**B***hSecurin*
-/-**C**

mitotic interval (minutes)	<i>hSecurin</i>	
	+/+	-/-
prophase to metaphase	15	19
metaphase to anaphase	21	57
anaphase to telophase	17	16

FIG. 4

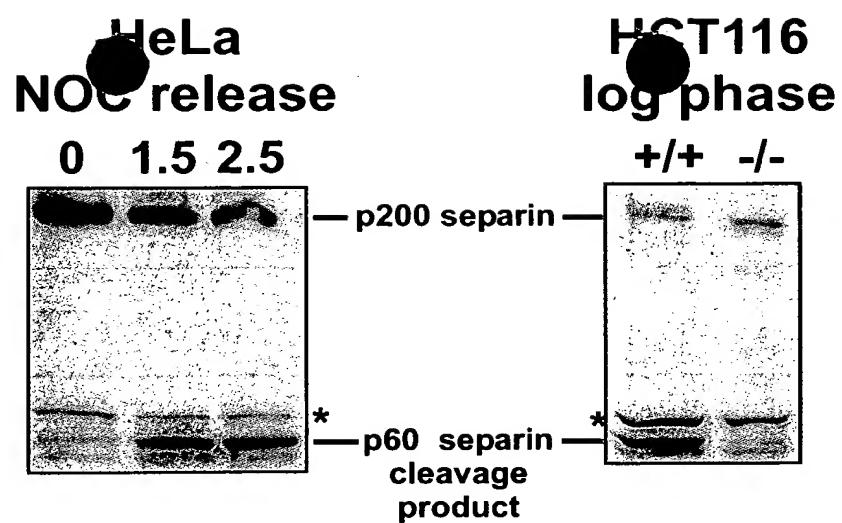
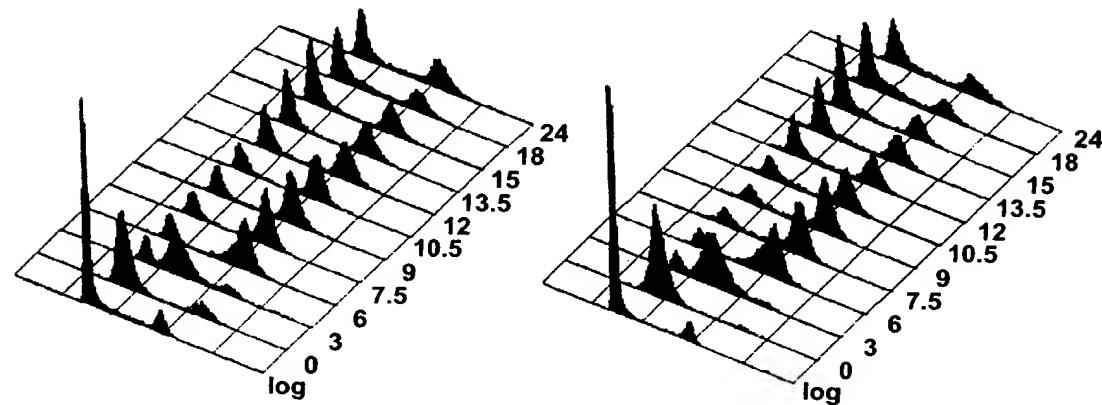
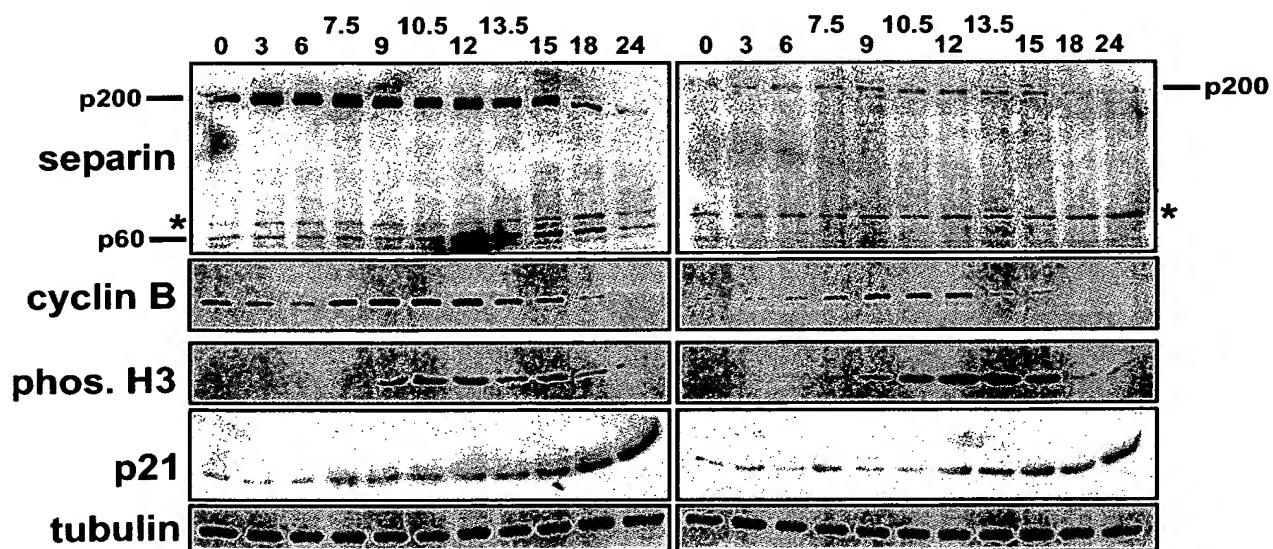
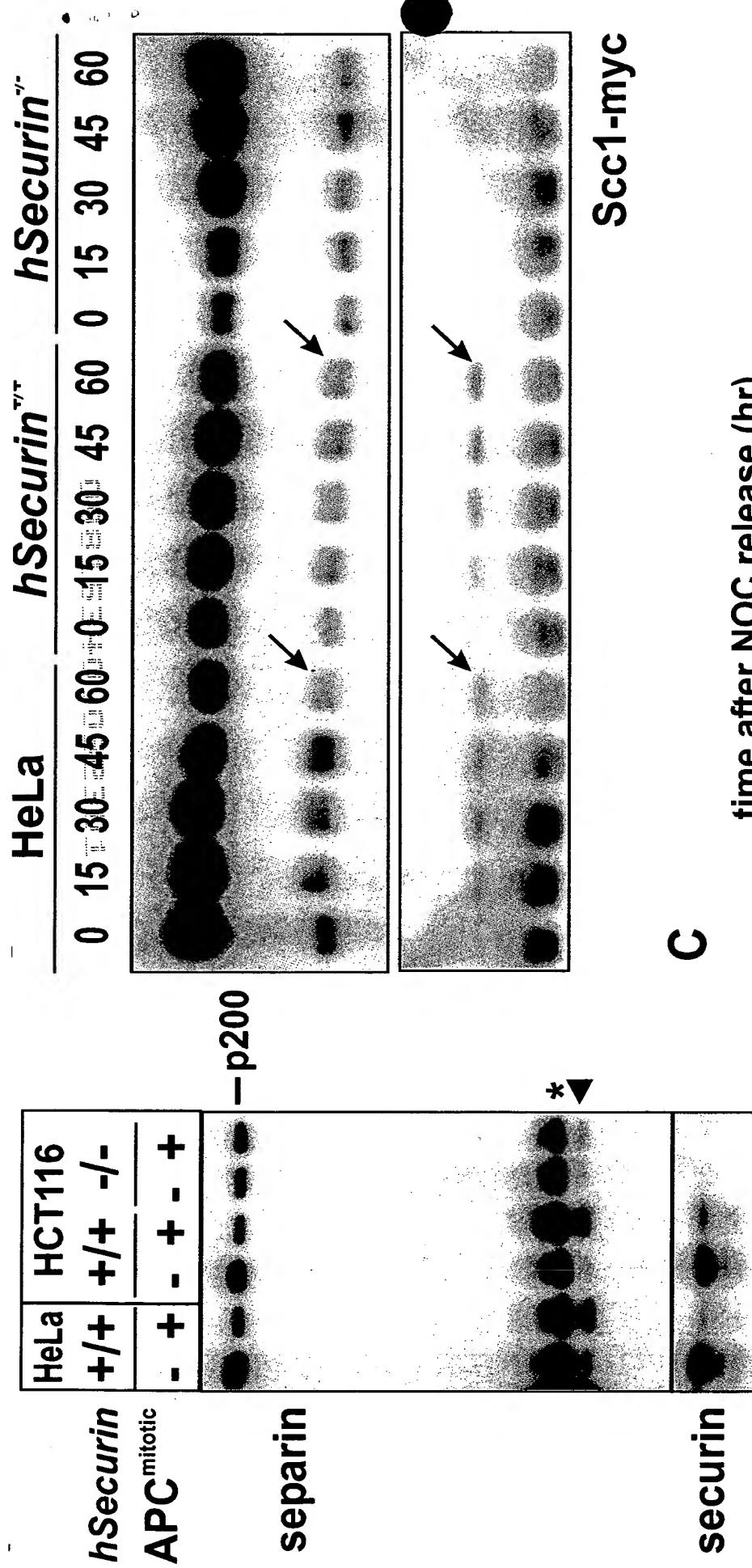
A**B*****hSecurin*^{+/+}*****hSecurin*^{-/-}****C*****hSecurin*^{+/+}*****hSecurin*^{-/-}**

FIG. 5



C

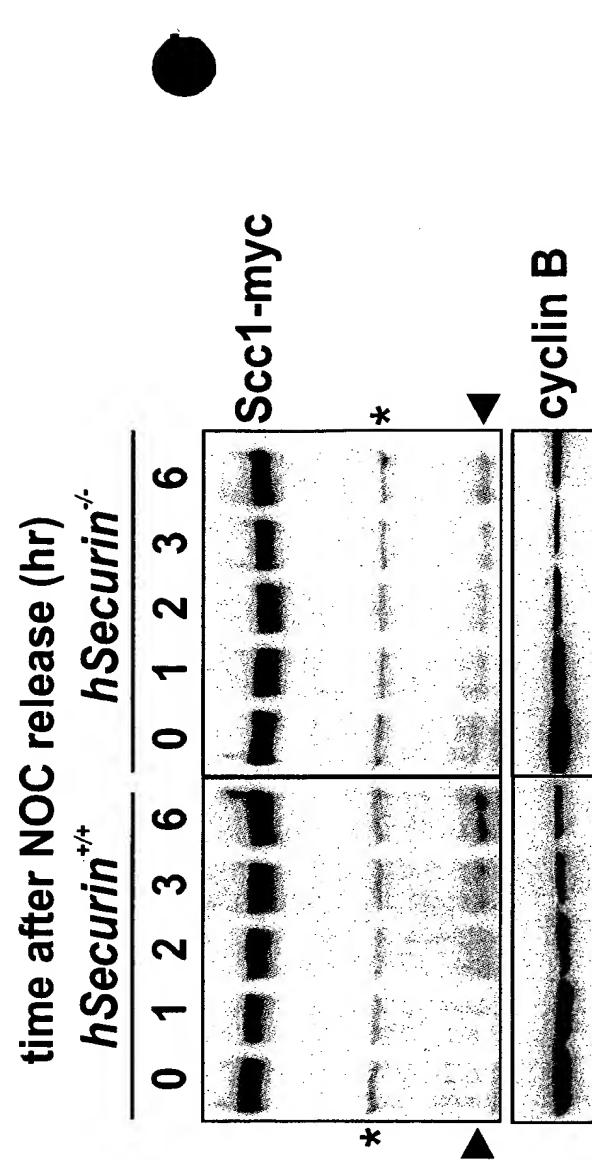


FIG. 6

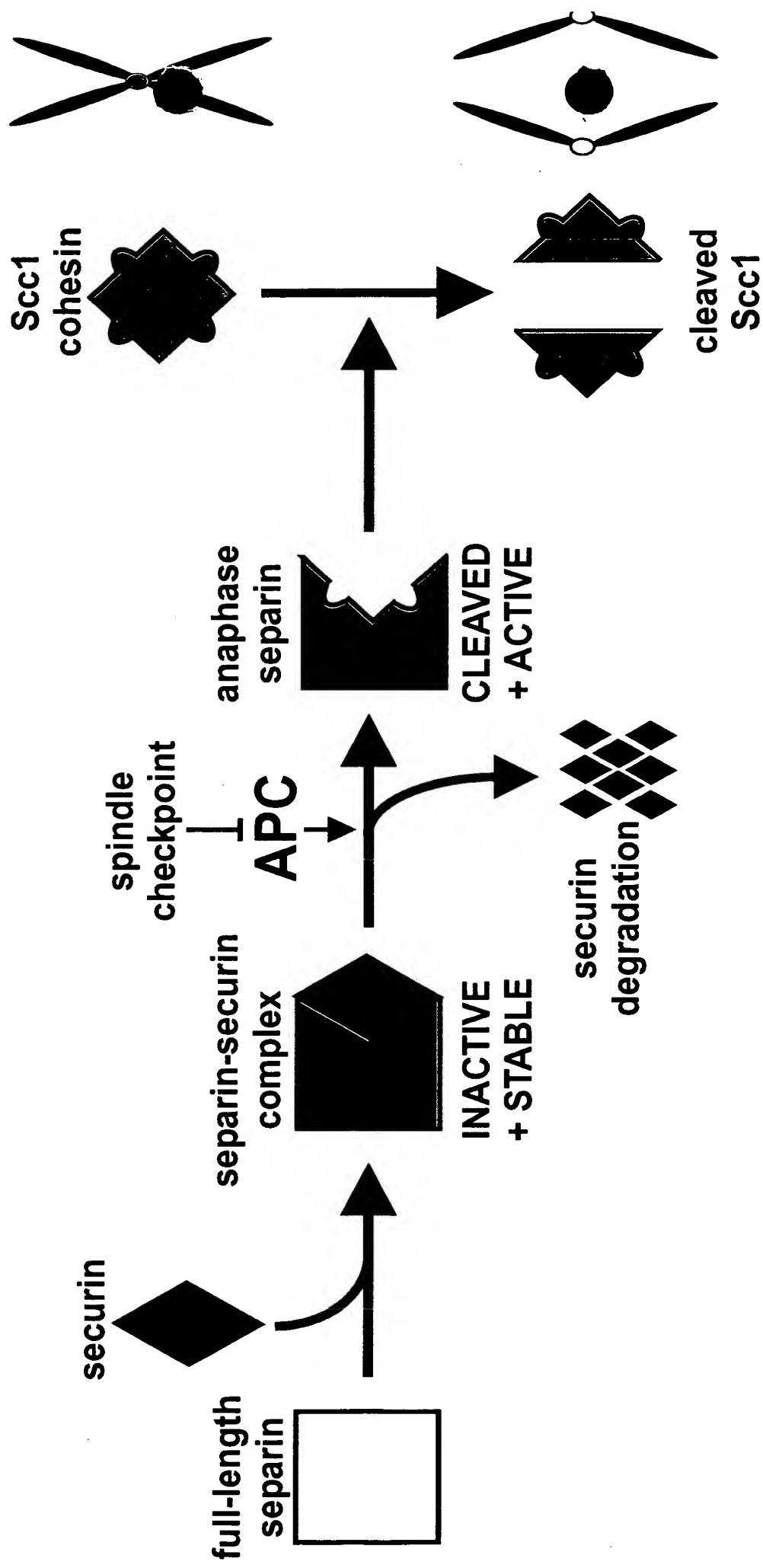


FIG. 7